



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHOWT3022AL120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Thu Aug 16 11:49:13 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS830LEDHOWT3022AL120-277[\_P

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS830LEDHTHOWT3022AL120-277V\_P.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5546	4661	5546
55	3380	2755	3380
65	2226	1757	2226
75	1047	796	1047
85	9	6	9

CANDELA TABULATION

	<u>0</u>
0	9827.565
5	9709.612
10	9530.746
15	9192.533
20	8700.227
25	8180.243
30	7502.852
35	6054.126
40	4116.179
45	2368.260
50	1651.061
55	1400.598
60	1134.532
65	866.393
70	611.942
75	368.558
80	138.668
85	2.676
90	0.009
95	0.027
100	0.027
105	0.027
110	0.035
115	0.053
120	0.062
125	0.062
130	0.097
135	0.115
140	0.097
145	0.080
150	0.089
155	0.310
160	1.302
165	1.816
170	1.790
175	1.294
180	8.133

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	3507.12	N.A.	22.60
0-30	7262.28	N.A.	46.80
0-40	10955.47	N.A.	70.60
0-60	14217.8	N.A.	91.70
0-80	15470.56	N.A.	99.70
0-90	15509.7	N.A.	100.00
10-90	14587.85	N.A.	94.00
20-40	7448.36	N.A.	48.00
20-50	9461.17	N.A.	61.00
40-70	4123.08	N.A.	26.60
60-80	1252.76	N.A.	8.10
70-80	392.01	N.A.	2.50
80-90	39.14	N.A.	0.30
90-110	0.06	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.17	N.A.	0.00
90-150	0.31	N.A.	0.00
90-180	1.22	N.A.	0.00
110-180	1.16	N.A.	0.00
0-180	15510.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	921.85
10-20	2585.27
20-30	3755.16
30-40	3693.2
40-50	2012.81
50-60	1249.52
60-70	860.75
70-80	392.01
80-90	39.14
90-100	0.02
100-110	0.03
110-120	0.05
120-130	0.06
130-140	0.08
140-150	0.05
150-160	0.22
160-170	0.47
170-180	0.22

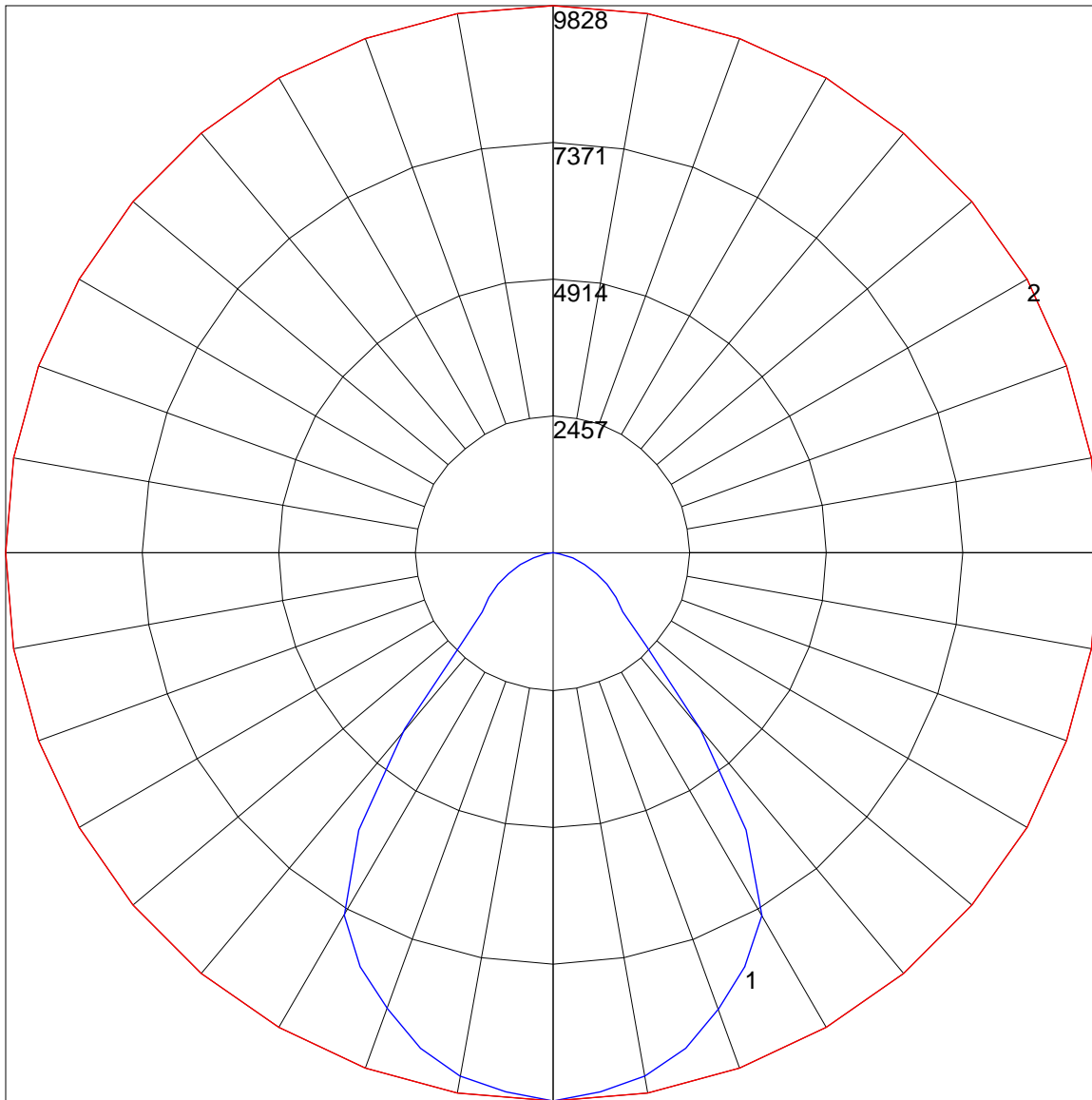
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 9827.565 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)